NATIONAL COMMUNICABLE DISEASE CENTER

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Vol. 18, No. 47
WEEKLY
REPORT

For Week Ending November 22, 1969

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION
DATE OF RELEASE: 100 MBER 28, 1969 HOTA GEORGIA 30333

Epidemio egic

MEASLES OUTBREAK - Chicago

From Sept. 1 to Nov. 21, 1969, a total of 163 cases of measles including two deaths were reported to the Chicago Board of Health. This represents a marked increase in measles incidence over the number of cases (25) reported during the comparable period in 1968.

Early epidemiologic investigation showed that approximately 75 percent of the reported cases were in preschoolage children. Most of the reported cases have been concentrated in the urban, hard-core poverty areas of the south and west sides of Chicago.

Interviews with administrators of outpatient clinics and hospitals have revealed underreporting of cases. Individual case investigations are being carried out to help direct an immunization campaign.

(Reported by Jack Zackler, M.D., Acting Commissioner of Health, and Herbert Slutsky, Ph.D., Senior Epidemiologist, Chicago Board of Health; Norman Rose, M.D., Chief, Bureau of Epidemiology, Illinois Department of Public Health; and two EIS Officers.)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES (Cumulative totals include revised and delayed reports through previous weeks)

	47th WEE	K ENDED	MEDIAN	CUMULA	rive, fir	ST 47 WEEKS
DISEASE	November 22, 1969			1969	1968	MEDIAN 1964 - 1968
Aseptic meningitis	64	81	48	3,232	4,056	2,730
Brucellosis		8	5	211	207	226
Diphtheria		10	10	176	219	184
Encephalitis, primary:						
Arthropod-borne & unspecified	24	32	30	1,183	1,308	1,745
Encephalitis, post-infectious	2	7	7	276	439	666
Hepatitis, serum	100	151	1 704	4,803	4,189	04.005
Hepatitis, infectious	1,106	1,175	724	43,302	41,343	34,395
Malaria		39	12	2,826	2,147	441
Measles (rubeola)		251	950	22,482	21,306	196,513
Meningococcal infections, total	46	48	48	2,671	2,318	2,518
Civilian		42		2,459	2,121	
Military	1	6		212	197	
Mumps		2,060		78,805	138,173	
Poliomyelitis, total		1	2	16	57	57
Paralytic		1	1	15	57	57
Rubella (German measles)		295		52,706	46,700	
Streptococcal sore throat & scarlet fever		11,037	7,513	380,390	383,505	377,983
Tetanus		1	5	145	152	203
Tularemia		5	2	134	165	165
Typhoid fever		11	7	304	365	378
Typhus, tick-borne (Rky. Mt. spotted fever).		3	2	445	273	258
Rabies in animals	48	51	55	3,020	3,089	3,870

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: Botulism: Leptospirosis: Fla5, La1 Plague: Psittacosis: Ohio-1	12 80 5	Rabies in man: Rubella congenital syndrome: * Tenn1 Trichinosis: Typhus, murine:	15 170

^{*}Delayed reports: Rubella cong. synd. La.-1

FEBRILE RESPIRATORY ILLNESS - Anchoroge, Alasko

In November 1969, an outbreak of acute respiratory disease with 29 cases occurred among the staff and children at a home in Anchorage. Alaska, for children with behavioral disorders. The 38 children at the home range in age from 6 to 18 years and reside in one of four cottages. Several staff members also reside in each cottage; additional staff work during the day in an administration building. The children attend local public schools.

Of the 29 patients, 21 had fever of greater than 101°F., and they form the hasis of the following analysis. The index case, a 9-year-old boy, had onset of influenza-like illness on November 8; the other 20 febrile cases occurred between November 12 and 17 (Figure 1). Symptoms in the febrile patients included cough (100 percent), malaise (90 percent), sore throat (86 percent), prostration (76 percent), rhinitis (76 percent), nausea (57 percent), myalgia (33 percent), vomiting (usually one episode, often post-tussic — 33 percent), and epistaxis (29 percent). Two patients had pneumonia. Onset of illness was gradual in 12 cases and abrupt in five; the type of onset was uncertain in four.

Throat swabs and serum samples were collected from all cases on November 19 and 20. Laboratory results are pending.

Epidemiologic investigation is continuing. (Reported by Donald K. Freedman, M.D., Director, Division of Public Health, Alaska Department of Health and Welfare; David R.L. Duncan, M.D., Health Officer, Greater

South Carolina.....

90

87

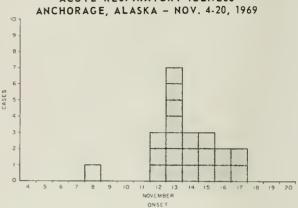
875

Georgia......

Figure 1

ACUTE RESPIRATORY ILLNESS

ANCHORAGE ALASKA - NOV. 4-20. 1969



Anchorage Area Borough; the Virology Laboratory and Epidemiology Section, Arctic Health Research Center, Ecological Investigations Program, NCDC, Anchorage; and an EIS Officer.)

Editoriol Comment:

Although the causative organism of these illnesses is not yet established and may ultimately prove not to be influenza, this is the first report of an influenza-like illness received from the United States this fall and winter.

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas October 1968 and October 1969 - Provisional Data

			Cumu l	ative				Сити	lative
Reporting Area	Octo		Jan.	- Oct.	Reporting Area	Octob	er	Jan. ·	Oct.
	1969	1968	1969	1968		1969	1968	1969	1968
EW ENGLAND	28	29	312	288	EAST SOUTH CENTRAL	73	89	822	1,13
Maine	1	_	8	3	Kentucky	13	11	135	10
New Hampshire	1 1	4	8	6	Tennessee	24	17	263	26
Vermont	_	_	1	_	Alabama	16	33	213	47
Massachusetts	10	22	177	185	Mississippi	20	28	211	29
Rhode Island	5	_	36	26					
Connecticut	1.1	3	82	68	WEST SOUTH CENTRAL	324	325	3,039	2,93
				1	Arkansas	25	5	186	100
IDDLE ATLANTIC	351	368	3,240	2,882	Louisiana	69	74	596	716
Upstate New York	18	56	224	269	Oklahoma	14	10	71	6
New York City	226	252	2,214	1,844	Texas	216	236	2,186	2,04
Pa. (Excl. Phila.)	15	13	121	189	10 August 11 Aug	2.0		2,700	-,01
Philadelphia	18	16	180	205	MOUNTAIN	57	36	537	401
New Jersey	74	31	501	375	Montana	-	"-	8	100
					Idaho	1		9	
AST NORTH CENTRAL	290	260	2,241	2,397	Wyoming	_	2	Ś	;
Ohio	54	36	336	383	Colorado	6	2	41	1
Indiana	48	34	320	294	New Mexico	20	10	227	13:
Downstate Illinois	28	36	224	178	Arizona	21	20	177	20
Chicago	106	88	799	841	Utah	2	20	15	1
Michigan	51	65	541	677	Nevada	7	2	55	3
Wisconsin	3	1	21	24		′	-	, ,,	١ ،
					PACIFIC	211	210	1,712	1.479
EST NORTH CENTRAL	44	41	321	325	Washington	10	4	54	39
dinne sota	6	6	45	44	Oregon	4	9	37	39
lova	5	6	35	37	California	196	197	1,610	1,394
11ssour1	16	20	142	164	Alaska	170	177	6	1,390
North Dakota	1	_	11	5	Rawaii	1		5	:
South Dakota	5	_	20	30	(Madail		-	,	-
Nebraska	5	3	29	1.8	U. S. TOTAL	1.838	1 760	86 226	
Kansas	6	6	39	27	0. J. 101AL	1,030	1,760	16,336	16.142
					TERRITORIES	85	107	979	957
OUTH ATLANTIC	460	402	4,112	4,296	Puerto Rico	82	100	965	910
Delawart	4	5	37	32	Virgin Islands	3	7	14	47
aryland	39	36	355	388					
District of Columbia	56	61	488	512					
Virginia	33	25	256	258					
West Virginia	_	1	15	28					

Note: Cumulative Totals include revised and delayed reports through previous months.

SURVEILLANCE SUMMARY MENINGOCOCCAL INFECTIONS — United States Epidemiological Year 1969*

For the epidemiologic year (EY) 1969 (Sept. 1, 1968 – Aug. 31, 1969), a total of 2,870 cases of meningococcal infection were reported to the NCDC. The monthly incidence rates were similar to those in previous years with the highest rates in the late winter or early spring months (Figure 2). The monthly rates for March, April, and May of 1969 were higher than the mean monthly rates for these months during the 8-year period from 1960-1967, and also exceeded the rates for March, April, and May of 1968. However, the peak monthly rates for EY 1969 were still lower than those for corresponding months during 1966, the year of greatest overall incidence of meningococcal infection since 1960.

As in previous years, the number of cases reported in military personnel (243) remained about 10 percent of the number reported in civilians (2,627). The monthly number of cases reported in military personnel paralleled the seasonal variations in civilian incidence.

In EY 1969, 55 percent of the isolates submitted to the NCDC for serogrouping and sulfadiazine sensitivity test-

Figure 2
MENINGOCOCCAL INFECTIONS - UNITED STATES
MEAN MONTHLY RATES 1960-1967
MONTHLY RATES 1967-1968 AND 1968-1969

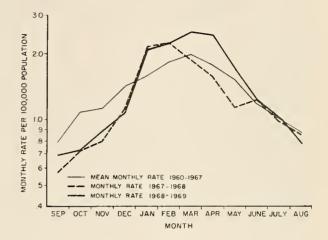


Table 1 Meningacaccal Isalates That Were Inhibited at ar Belaw 1.0 mg per 100 ml Sulfadiazine

	To	tal	Gro	ір В	Gro	up C	All (Others
Interval	Number Strains Tested	Percent Inhibited	Number Strains Tested	Percent Inhibited	Number Percent Strains Inhibited Tested		Number Percent Strains Inhibited	
Jan. 1966 through Dec. 1966	754	59.3	537	52.4	92	84.9	125	70.4
Jan. 1967 through Dec. 1967	317	56.2	209	49.3	61	62.3	47	78.7
Jan. 1968 through Aug. 1968	426	50.7	192	60.4	164	25.6	70	82.6
Sept. 1968 through Aug. 1969	414	35.3	161	62.1	227	10.6	26	84.6

[&]quot;Isolates submitted from cases.

Table 2
Percentage of Meningacaccal Cases (1966-1969) and Submitted Isalates (1968-1969)
by U.S. Geographic Divisions

		Percent of	of Reported Case	es	Sı	Percent of abmitted Isolates
Division	1966	1967	JanAug. 1968	Sept. 1968 - Aug. 1969		Sept. 1968 - Aug. 1969
New England	5	4	6	4		7
Middle Atlantic	13	18	18	16		28
East North Central	16	14	12	14		8
West North Central	5	5	5	5		3
South Atlantic	18	20	20	18		16
East South Central	9	9	9	7		5
West South Central	13	11	15	13		19
Mountain	3	2	2	2		3
Pacific	19	17	13	21		10
	100	100	100	100		100
					Total Isolates	
Total U.S. Cases	(3,381)	(2,161)	(1,976)	(2,870)	Submitted	(414)

^{*}Only includes isolates from blood, cerebrospinal fluid, conjunctiva, or joints.

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 22, 1969 AND NOVEMBER 23, 1968 (47th WEEK)

							0 1710 112				
	ASEPTIC	DOMOCI			ENCEPHALIT	IS	ŀ	EPATITIS			
AREA	MENIN- GITIS	BRUCEL- LOSIS	DIPHTHERIA	_	including cases	Post- Infectious	Serum	Infec	tious	MALA	RIA
	1969	1969	1969	1969	1968	1969	1969	1969	1968	1969	Cum. 1969
UNITED STATES	64	5	9	24	32	2	100	1,106	1,175	80	2,826
	_										
NEW ENGLAND	5	-	-	4	-	-	3	124 12	58 2	1	92
Maine New Hampshire	_		_	1	_	_	_	8	_	_	7 2
Vermont	-	_	_	_	_	_	1	5	1	_	_
Massachusetts	-	-	-	2	-	-	1	62	22	1	57
Rhode Island	5	_	-	-	-	-	7	23	9	-	10
Connecticut	-	_	-	1	-	-	1	14	24	-	16
MIDDLE ATLANTIC	10	1	_	5	4	1	42	210	236	9	331
New York City	2	- !	-	_	1 .	-	27	40	113	-	22
New York, up-State.	4	-	-	2	2	-	, 4	40	49	5	74
New Jersey	4	1	_	3	1 -	1	10 1	53 77	46 28	4	130 105
Pennsylvania.*	7	'	_	_	_	' '	'	′′	20		105
EAST NORTH CENTRAL	16	-	-	4	13	_	11	201	165	8	285
Ohio	6	-	-	1	9	-	3	75	36	-	25
Indiana	_	_	-	-	-	-	-	11	11	1	26
Illinois	2 6	-	_	1	3	_	1 7	43 65	55 51	7	170 63
Wisconsin	2	_	_	2	ı i	_		7	12	_	1
											i
WEST NORTH CENTRAL	1	2	-	-	2	-	2	28	81	6	197
Minnesota.*	1	1	-	-	1	-	-	3	30 4	-	14
Iowa.* Missouri	_		_	_		_	1	6 11	14	_	21 42
North Dakota	_	_ :		_	_	_		<u>''</u>	- '-	_	3
South Dakota	_	-	-	_	-	_	-	1	16	-	1
Nebraska	-	-	-	-	-	-	-	-	. 1	-	4
Kansas	-	-	_	_	-	-	1	7	16	6	112
SOUTH ATLANTIC	11	1	4	5	2	_	5	108	143	19	729
Delaware	_		_	_	_	_	_	1		_	4
Maryland	4	_	-	1	1	-	-	11	23		33
Dist. of Columbia	-	-	-	7	-	-	ī	-	3	-	2
Virginia	-	1 -	_	1 _	_	_	_	9	11 3	1 3	27 3
North Carolina	3		_	_	_		_	24	2	-	285
South Carolina	_	- 1	_	-	-	_	-	5	8	4	62
Georgia	-	-	-	-	1	- 1	-	22	34	2	264
Florida	4	-	4	3	-	-	4	32	59	9	49
EAST SOUTH CENTRAL	9	_	2	1	3	1	_	81	71	23	158
Kentucky.*	3	-	_	_	_	1		37	36	21	129
Tennessee	1	-	-	1	3	_	-	32	23	-	-
Alabama	5	-	_	-	-	-	- :	7	4	2	25
Mississippi	-	-	2	_	_	-	-	5	8	-	4
WEST SOUTH CENTRAL	2	1	2	3	3	_	2	48	67	2	234
Arkansas	-	_	-	_	-	-	-	-	6	-	13
Louisiana	1	-	2	1	1	- 1	2	10	20	1	46
Oklahoma.* Texas.*	_ 1	1 _	-	2	1 1		-	34	7 34	1	74 101
Tevas	'	_	_	_	'		_	34	34	-	101
MOUNTAIN	2	_	-	1	1	-	1	45	62	-	137
Montana	-	-	_	-	_	-	-	2	7	-	3
Idaho	-	-	-	-	-	-	-	1	9	-	5
Wyoming Colorado.t	_ 2	_	_	_	1	_	1	6 17	1 30	_	112
New Mexico	_		_	1			<u>,</u>	11	7	_	9
Arizona	-	-	-	-	_	-	-	8	6	-	1
Utah	-	-	-	-	-	-	-	-	2	-	1
Nevada	_	-	-	-	_	- '	-	-	-	-	6
PACIFIC	8	_	1	1	4	_	34	261	292	12	663
Washington	_	_	i	_	1	_	-	31	46	2	7
Oregon	-	-	-	-	-	-	5	20	24	-	16
California	8	-	-	1	3	-	29	199	221	10	516
Alaska *	_	_	_	_	_	_	_	10	1 -	_	3 121
Puerto Rico.★	-	-	-		-	-		10	23	-	4

*Delayed reports: Aseptic meningitis: Minn. 22
Diphtheria: Tex. delete 1, Colo. 1
Encephalitis, post-infections: Pa. delete 1

Hepatitis, serum: Ky. 1 Hepatitis, infectious: Okla. 1, Alaska 3, P.R. 1 Malaria: Iowa 1, Okla. 1

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 22, 1969 AND NOVEMBER 23, 1968 (47th WEEK) - CONTINUED

	MEA	SLES (Rube	ola)	MENINGO	COCCAL INF	ECTIONS,	MUMPS	P	OLIOMYELIT	IS	RU8ELLA
AREA					TOTAL	. •		Total	Para	lytic	
	1969	Cumu1 1969	1968	1969	_ 1969	ative 1968	1969	1969	1969	Cum. 1969	1969
UNITED STATES	338	22,482	21,306	46	2,671	2,318	1,821	-	1909	15	491
NEW ENGLAND	16	1,168	1,216 38	1 -	106 7	135 6	195 42	-	-	2	25 1
New Hampshire	1	244	141	-	4	8	2	-	-	-	1
Vermont Massachusetts	8	3 243	2 373		41	1 71	27 41	_	_	_	_ 7
Rhode Island Connecticut	7	27 642	23 639	- 1	14 40	9 40	27 56	-	-	- 1	9 7
MIDDLE ATLANTIC	83	7,767	4,489	7	444	416	156	-	_	2	29
New York City	14 5	4,994 615	2,315 1,340	- 3	85 86	86 72	67 NN	_	_	_ 1	4 10
New York, Up-State. New Jersey	40	1,018	673	2	171	142	89	_	_	- :	5
Pennsylvania	24	1,140	161	2	102	116	NN	-	-		10
EAST NORTH CENTRAL	61 18	2,635 480	4,047 315	8 1	366 134	287 81	688 54	_	_	_	127 11
Indiana	2	478	704	2	48	39	68	-	-	-	16
Illinois	25	686 352	1,404 313	1 4	52 105	63 84	187 193	_	_	_	8 56
Wisconsin	7	6 3 9	1,311	-	27	20	186	-	-	-	36
WEST NORTH CENTRAL	87	967 17	407 18	1	131 29	126 29	63	-	-	1	37
Minnesota Iowa	1	337	108	1	29	10	44	_	_	_	3 20
Missouri	- 1	31 44	81 138	-	53 2	41	- 7	-	-	-	1
North Dakota South Dakota	-	3	4	_	1	5	NN	_	_	_	4
Nebraska Kansas	84 1	527 8	48 10	_	10 16	9 28	3 9	_	_	_ 1	2 7
SOUTH ATLANTIC	15	2,669	1,672	1	467	463	109	_	_	1	45
Delaware	2	403 81	17 103	_	13 41	9 40	2 7	_	-	-	_ 1
Maryland Dist. of Columbia	1	32	6	_	9	17	3	_	_	_	1
Virginia	5 1	912 221	381 312	-	57 24	44 13	27 58	_	-	-	19 10
West Virginia North Carolina	4	330	292	_	87	91	NN	_	_	_	3
South Carolina	1 _	132	21 4	_	59 77	61 90	4	_	-	-	_
Georgia Florida	-	556	536	1	100	98	8		-	1	11
EAST SOUTH CENTRAL	2 2	118 68	503 103	3	171 55	208 94	63 19	-	-	1	21
Kentucky Tennessee	-	20	64	1	70	63	41	_	_	_	1 19
Alabama	-	6	95	2	27	27	3	-	-	1	1
Mississippi	49	4,931	241 5,130	9	19 354	24 331	119	-			-
WEST SOUTH CENTRAL Arkansas	-	16	2	_	32	20	-		_	_	64
Louisiana* Oklahoma	-	125	25 128	4 2	97 36	94 53	1 35	_	_	_	_ 13
Texas	49	4,648	4,975	3	189	164	83	-	_	6	51
MOUNTAIN	16	1,072	1,056	4	56	41	121	-	-	-	35
Montana* Idaho	_	92 90	58 21	_ 2	8 13	6 11	6 9	_	-	_	3
Wyoming	-	-	54	-	-	3	-	-	-	-	1
Colorado New Mexico	4	141 279	520 143	1	10 8	12 1	41 20	_	_	_	1 8
Arizona	12	458	233	-	10	4	21	_	-	_	15
Utah Nevada	-	11	21 6	_	5 2	1 3	24	-	<u>-</u>	-	3 -
PACIFIC	9	1,155	2,786	12	576	311	307	_	_	1	108
Washington	-	67	583	-	57	47	106	-	-	-	28
Oregon	9	200 830	572 1,585	12	20 478	25 222	21 158	_		1	7 51
Alaska*	_	13 45	11	-	11	3	22	-	-	-	21
Hawaii			35	-	10	14		-	-		1
*Delayed reports: Meas	108	1,892	485	-	19	20	19				

Delayed reports: Measles: D.C. 3 Mumps: Alaska 18 Rubella: La. delete 1, Mont. delete 1, Alaska 3

TABLE III. CASES OE SPECIEIED NOTIEIABLE DISEASES: UNITED STATES EOR WEEKS ENDED

NOVEMBER 22, 1969 AND NOVEMBER 23, 1968 (47th WEEK) - CONTINUED

	1										
AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETA	ANUS	TULA	REMIA	TYP: FEV		TICK	S FEVER -BORNE . Spotted)		ES IN
	1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969
UNITED STATES	9,794	1	145	6	134	13	304	8	445	48	3,020
NEW ENGLAND	1,180	_	1	_	16	1	16	_	1	4	53
Maine	1,180	_		_	-		1	_		_	6
New Hampshire	12	-	-	_	-	_	-	-	-	-	5
Vermont	2	-	-	_	16	-	-	-	-	4	31
Massachusetts Rhode Island	154 85	-	1 _	_	_	_	8 1	_	1 –	_	3
Connecticut	908	_	_		_	1	6	_	_	_	8
MIDDLE ATLANTIC	404	1	19	_	5	_	31	_	46	10	222
New York City	16	1	11	-	1	-	17	-	-	-	-
New York, Up-State.	314	- '	3	-	4	-,	6	-	7	10	208
New Jersey	NN 74	-	3 2	-	_	-	3 5	_	15 24	_	14
Pennsylvania	/4	-	2	_	-	-	,	_	24	_	14
EAST NORTH CENTRAL	722	-	19	1	16	3	35	-	3	3	219
OhioIndiana	61 176	-	4	- 1	- 5	1 _	12		_	1	72 53
Illinois	126	_	10		4	1	16		3	1	37
Michigan	256	-	5	_	-	1	6	-	-	1	8
Wisconsin	103	-	-	~	7	-	1	-	-	-	49
WEST NORTH CENTRAL	354	-	11	-	14	_	10	-	8	9	568
Minnesota	16	-	3	-	-	-	4	-	_	5	153
Iowa Missouri	158 11	-	4	-	10		1 3	-	7	1	89 133
North Dakota	122	_	-	_	-		-	_		_	69
South Dikota	22	-	-	-	_	_	-	_	1	-	43
Nebraska	6	-	-	-	1		1	-	-	1	14
Kansas	19	-	4	-	3	- :	1	-	-	1	67
SOUTH ATLANTIC	926	-	28	1	23	1	47	5	251	10	714
Delaware Maryland	4 66	-	1	1	1		2 4	_	3 48	_	3
Dist. of Columbia	10	_	2	_	_	_	2	_	40		3 -
Virginia	264	-	1	_	4	_	1	-	81	-	351
West Virginia *	271	-	1	-	2	-	2	-	5	1	103
North Carolina South Carolina	NN 144	_	3 1	_	6 2		9	2 2	66	Ī	5
Georgia	14	_	7		4	_ '	11	_	15	4	87
Florida	153	-	12	_	4	1	15	1	1	5	165
EAST SOUTH CENTRAL	1,490	-	22	_	14	1	46	2	65	3	383
Kentucky	186	-	7	-	_	-	8	-	13	1	196
Tennessee	921 1 7 9	_	6	_	13	1 _	20	2	43 6	2	129 52
Mississippi	204	_	5	_	1	_	14	_	3	_	6
WEST SOUTH CENTRAL	965	_	27	2	23	3	32	1	49	7	437
Arkansas	39	_	2	2	5	_	13	_	7	_	30
Louisiana	4	-	7	_	4	-	3	-	-	1	37
Oklahoma	61	-	1	-	8	_		1	30	1	67
Texas	861	-	17	-	6	3	16	_	12	5	303
MOUNTAIN	2,589	-	6	1	18	1	29	-	17	-	118
MontanaIdaho	59 221	-	1	_	_ '	_	2 4	_	6	_	_
Wyoming	585	_	_	_	4	_	5	_	- :	_	55
Colorado	1,071	_	2	_	_	_	3	_	9	-	3
New Mexico	407	-	_	-	1	1	8	-	-	-	17
Arizona Utah	84 162	_	3	_ 1	- 13	_	6	_	2	_	22 5
Nevada	162	_	_	_	- 13	_	1	_	-	_	16
PACIFIC	1,164	_	12	1	5	3	58	_	5	2	306
Washington	919	_	1		2		2	_	3	_	4
Oregon	143	-	-	-	1	-	6	-	-	-	4
California		-	11	1	2	1	44	-	2	2	298
Alaska* Hawaii	31 71	_	_	_	_	2	6	_	_	_	_
Puerto Rico											20
Tuel to Kito	-		12		_	_	7		_	-	28

^{*}Delayed reports: SST: W. Va. delete 41, Alaska 74

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED NOVEMBER 22, 1969

47	(By place of	occurrence an	d week of	filing certificate.	Excludes fetal	deaths)
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Week No.

	All Causes Preumoni				ng certificate. Excludes	All Ca		P	77-1
Area			Pneumonia and	Under l year	Area	A11		Pneumonia and	Under 1 year
At ea	All Ages	65 years and over	Inf luenza	A11	, Aleca	Ages	65 years and over	Influenza	A11
			All Ages	Causes				All Ages	Causes
NEW ENGLAND:	740	435	48	31	SOUTH ATLANTIC:	1,375	749	62	61
Boston, Mass	236	115	11	8	Atlanta, Ga	140	67	5	10
Bridgeport, Conn	50 26	35 14	4 9	3	Baltimore, Md	266 58	140 28	7	12
Cambridge, Mass Fall River, Mass	34	21	2	_	Charlotte, N. C Jacksonville, Fla	97	50	i	3
Hartford, Conn	49	31	2	7	Miami, Fla	158	94	7	3
Lowell, Mass	21	14	3	2	Norfolk, Va	68	30	7	3
Lynn, Mass	26 30	17 25	1	1 -	Richmond, Va	82 38	46 26	5 2	2
New Bedford, Mass New Haven, Conn	51	24	_	1	Savannah, Ga St. Petersburg, Fla	103	88	5	
Providence, R. I	58	38	5	-	Tampa, Fla	86	51	11	6
Somerville, Mass	17 47	12 29	2 2	4	Washington, D. C	229 50	104 25	7 4	16
Springfield, Mass Waterbury, Conn	38	20	_	2	Wilmington, Del	30	2.5	4	2
Worcester, Mass	57	40	6	3	EAST SOUTH CENTRAL:	749	435	48	34
	2 500	0.000	440	440	Birmingham, Ala	89	53	1	6
MIDDLE ATLANTIC: Albany, N. Y	3,509 35	2,083 19	140	143	Chattanooga, Tenn	41 61	27 42	7	2
Allentown, Pa	34	20	3	1	Knoxville, Tenn Louisville, Ky	181	105	26	11
Buffalo, N. Y	160	94	4	5	Memphis, Tenn	155	83	3	6
Camden, N. J	52	33	1	3	Mobile, Ala	54	37	2	1
Elizabeth, N. J Erie, Pa	33 35	16 18	2 7	3 4	Montgomery, Ala Nashville, Tenn	38 130	21 67	4	3 5
Jersey City, N. J	63	33	8	2	Mashville, Tenn.		0,		
Newark, N. J	79	38	6	4	WEST SOUTH CENTRAL:	1,276	681	52	71
New York City, N. Y	1,757 39	1,047 21	62	71 3	Austin, Tex	44 52	20 29	4	4
Paterson, N. J Philadelphia, Pa	589	335	13	21	Baton Rouge, La Corpus Christi, Tex	27	21	_	2
Pittsburgh, Pa	211	124	14	7	Dallas, Tex	177	95	8	8
Reading, Pa	54	42		1	El Paso, Tex	59	25	5	13
Rochester, N. Y Schenectady, N. Y	122 27	80 20	5	8 -	Fort Worth, Tex Houston, Tex	67 247	37 120	3 6	2 5
Scranton, Pa	43	29	1	_	Little Rock, Ark	59	31	2	3
Syracuse, N. Y	71	47	2	3	New Orleans, La	205	94	9	16
Trenton, N. J	31 39	21 28	3 6	1	Oklahoma City, Okla	68 131	42 83	2	3 9
Utica, N. YYonkers, N. Y	35	18	3	3	San Antonio, Tex Shreveport, La	62	37	1 5	1
10111010, 111 11			_		Tulsa, Okla	78	47	7	5
EAST NORTH CENTRAL:	2,758	1,567	100	135		100			
Akron, Ohio Canton, Ohio	73 41	50 27	4	6 3	MOUNTAIN: Albuquerque, N. Mex	432 56	235	18	28
Chicago, Ill	804	437	36	46	Colorado Springs, Colo.	27	16	1	4
Cincinnati, Ohio	191	108	3	7	Denver, Colo	102	53	2	7
Cleveland, Ohio	213 120	111 58	6 3	8	Ogden, Utah	27 88	17 39	4	1
Columbus, Ohio Dayton, Ohio	73	42	4	4	Phoenix, Ariz	15	10		3
Detroit, Mich	349	203	7	19	Salt Lake City, Utah	47	31	-	2
Evansville, Ind	43	29	3	1	Tucson, Ariz	70	45	6	7
Flint, Mich Fort Wayne, Ind	41 49	22 29	- 6	1 3	PACIFIC:	1,774	1,089	36	66
Gary, Ind	34	10	3	4	Berkeley, Calif	22	11	-	1
Grand Rapids, Mich	52	36	6	3	Fresno, Calif	52	31	1	1
Indianapolis, Ind Madison, Wis	173 45	94 23	4	12	Glendale, Calif Honolulu, Hawaii	35 48	28 19	2	1 5
Milwaukee, Wis	137	88	3		Long Beach, Calif	96	56	3	5 4
Peoria, Ill	33	16	2	2	Los Angeles, Calif	585	375	13	22
Rockford, Ill	38 41	26 32	3 2	_	Oakland, Calif.	85 35	54	1	3
South Bend, Ind Toledo, Ohio	144	88	_	9	Pasadena, Calif Portland, Oreg	35 147	26 105	5	3
Youngstown, Ohio	64	38	1	ĺ	Sacramento, Calif	62	31		4
LIBOR MORBIL G	040	561	2.2	2,	San Diego, Calif	98	61	_	6
WEST NORTH CENTRAL: Des Moines, Iowa	940 70	564 40	33 1	34	San Francisco, Calif	219 48	113	9	6
Duluth, Minn	29	17	3	-	San Jose, Calif Seattle, Wash	135	74		9
Kansas City, Kans	38	18	2	3	Spokane, Wash	50	43	-	-
Kansas City, Mo	161	99	6	4	Tacoma, Wash	57	35	11	1
Lincoln, Nebr Minneapolis, Minn	26 107	20 72	2	5	Total	13,553	7,838	537	603
Omaha, Nebr	105	62	4	2	10041	13,333	7,030	337	003
St. Louis, Mo	278	162	7	8	Expected Number	12,765	7,401	443	532
St. Paul, Minn	77 49	48 26	- 8	5	Cumulative Total	608,750	247.000	27 201	
Wichita, Kans	77	20		,	(includes reported corrections for previous weeks)	000,750	347,968	27,204	28,930
					*Mortality data are being collected	from Las Vega	s, Nev., for p	ossible inclusi	on in this
Las Vegas, Nev.*	22	7	2	_	table, however, for statistical reasi	ons, these data	will be listed	only and not 1	ncluded in
	- 22			-	the total, expected number, or cumu	lative total, unt	ıl 5 years of d	ata are collecte	ed.

MENINGOCOCCAL INFECTIONS

(Continued from page 411)

ing from civilian and military cases were serogroup C strains (Table 1). This is in contrast to previous years when serogroup B was the predominant type.

Sulfadiazine resistance of strains has continued to increase. This overall trend mainly reflects the increasing percentage of serogroup C isolates that were submitted to NCDC from cases of meningococcal disease. The frequency of sulfonamide resistance in serogroup C, in contrast to other serogroups, has increased significantly (Table 1).

Since September 1968, the proportion of isolates submitted from different geographic divisions has corresponded to the proportion of cases reported by these divisions (Table 2) with two exceptions: 59 isolates in EY 1969 were submitted from an army base in the Middle Atlantic Division and no isolates were received from California although the state reported an unusually high incidence of meningococcal disease during 1969 (MMWR, Vol. 18, No. 16). (Reported by the Bacterial Diseases Branch, Epidemiology Program, and the Bacterial Reference Unit and the Bacterial Immunology Unit, Laboratory Division, NCDC.)

*Since Sept. 1, 1968, data on meningococcal infections have been analyzed at the NCDC on the basis of an epidemiologic year rather than a calendar year. Bacteriologic data prior to September 1965 are not readily available on an epidemiologic year basis and therefore are presented on the basis of the calendar

ERRATUM, Vol. 18, No. 45, p. 400

In the article "Influenza - Summer and Fall 1969," the terms summer and foll, as used, refer to seasons in the northern hemisphere. This period corresponds to winter and spring in the southern hemisphere; thus influenza activity in Uruguay, Chile, Australia, and New Zealand should be recognized as occurring during their winter and spring months.

Editor's Note:

In an effort to keep our mailing list current, we are including in the address section of this week's "Morbidity and Mortality Weekly Report" a short statement which may be used to change subscriptions. This statement will reappear periodically.

THE MORBIOITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULA-TION OF 18,500 IS PUBLISHED AT THE DISEASE CENTER, ATLANTA, GEORGIA.

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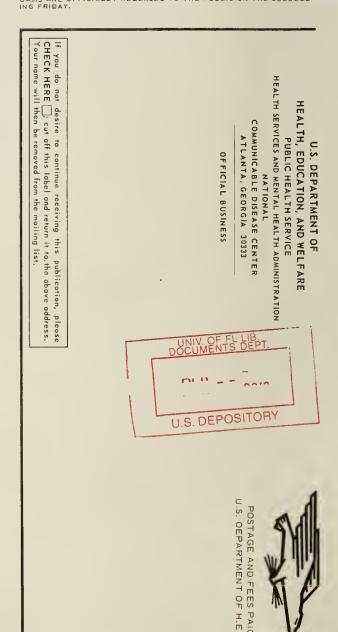
IN AGOITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIOITY AND MORTALITY. THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD ACORESSEO TO:

NATIONAL COMMUNICABLE DISEASE CENTER ATTN: THE EDITOR

MORBIOITY AND MORTALITY WEEKLY REPORT

ATLANTA, GEORGIA 30333

THE OATA IN THIS REPORT ARE PROVISIONAL AND ARE NOTE: BASEO ON STATE HE BASEO ON WEEKLY TELEGRAMS TO THE NCOC BY THE INDIVIOUAL STATE HEALTH OEPARTMENTS. THE REPORTING WEEK CONCLUCES AT CLOSE OF BUSINESS ON FRIGAY: COMPILEO OATA ON A NATIONAL BASIS ARE OFFICIALLY RELEASEO TO THE PUBLIC ON THE SUCCEED-



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